



PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sam Baugher

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For: SYSTEM AND METHOD FOR GENERATING DATA VALIDATION RULES

RESPONSE A
(37 C.F.R. § 1.111)

Mail Stop Amendment
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Response A is submitted in response to an outstanding Office Action dated October 18, 2006.

The Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 14 of this paper.

CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Currently amended) A method for generating validation logic executable in a target application in a target platform, comprising:
creating a metarule; and
automatically creating target domain metarule validation logic based on the metarule and a target language of the target platform.
2. (Original) The method of claim 1, wherein the metarule is one of required validation, length validation, data type validation, range validation, enumeration validation, regular expression validation, cross-attribute, aggregation, and conditional.
3. (Original) The method of claim 1, wherein the metarule includes data.
4. (Original) The method of claim 1, wherein the metarule includes logic.
5. (Original) The method of claim 1, wherein the metarule includes an error message.
6. (Original) The method of claim 1, wherein the target platform is one of ASCII files, C, C#, C++, COBOL, Java, Javascript, RDBMS, Visual Basic, and XML.
7. (Original) The method of claim 1, wherein the metarule is imported from an external system.
8. (Original) The method of claim 1, wherein the metarule is exported to an external system.

9. (Original) The method of claim 1, further comprising:
submitting test data, including a data value, to the target domain metarule validation logic; and
producing an actual validation result based on the submitted test data.
10. (Original) The method of claim 9, further comprising:
submitting an expected result; and
comparing the actual validation result with the expected result.
11. (Original) The method of claim 1, further comprising:
outputting the metarule in a text-readable format.
12. (Original) The method of claim 1, wherein the target domain metarule validation logic is generated for the metarule and contains logic to carry out the metarule.
13. (Original) The method of claim 1, wherein the target domain metarule validation logic is represented as a metarule validation function that receives a data value as input and outputs a violation detected.
14. (Original) The method of claim 1, further comprising:
integrating the target domain metarule validation logic with the target application.
15. (Currently amended) A method for generating validation logic executable in a target application in a target platform, comprising:
creating a metarule;
creating a target domain attribute;
creating a mapping of the metarule to the target domain attribute; and
automatically creating target domain attribute validation logic executable in a target application in a target platform based on the metarule, the mapping of the metarule to the target domain attribute, and the target language of the target platform.